# GENERALIZED GEOLOGIC MAP OF WESTMORELAND COUNTY AND LOCATIONS OF SELECTED WELLS

1974

MN GN
5 1/2° 98 MILS
0°56' 17 MILS
UTM GRID AND 1969 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

## EXPLANATION

### QUATERNARY

**Qal** — SURFICIAL DEPOSITS

*Well to poorly sorted deposits of clay, sand, gravel and boulders in stream valleys. (Not mapped)*

*Yields 15 to 700 gpm depending on degree of sorting by grain size.*

### PENNSYLVANIAN

**PPw** — WASHINGTON FORMATION

*Shales, sandstones, discontinuous limestone beds and several coal beds.*

*Yields range from less than 1 to 22 gpm. Poor water bearing unit because of small areal extent of the outcrop.*

**Pm** — MONONGAHELA GROUP

*Massive thin-bedded limestones, variable shales, discontinuous sandstones and coal beds.*

*Yields range from less than 1 to 15 gpm. Low yields partly the result of coal mining dewatering the rocks and the scarcity of fractures and shale layers.*

**Pc** — CONEMAUGH GROUP

*Primarily sandstones and shales; smaller amounts of limestone and coal.*

*Yields range from less than 1 to 357 gpm. Highest yields are from sandstone members. Yields large enough for industrial and municipal purposes are difficult to obtain.*

**Pa** — ALLEGHENY GROUP

*Sandstones, shales, discontinuous limestones and coal beds.*

*Yields range from 2 to 550 gpm. Sandstone members are best waterbearing units. Large yields are difficult to obtain.*

**Pp** — POTTSVILLE GROUP

*Sandstones, conglomerates and thin coal beds.*

*Yields range from 20 to 500 gpm. Highest yields are obtained from fully penetrating wells. Water is of poor quality.*

### MISSISSIPPIAN

**Mmc** — MAUCH CHUNK FORMATION

*Predominantly shale with interbedded limestones and sandstones.*

*Not many data available on well yields. Poor aquifer because of predominant shale layers.*

**Mp** — POCONO GROUP

*Massive sandstones and some shale.*

*Not many data available because of small outcrop area. Some springs of moderate yield, 5 to 100 gpm, occur along contact with Mauch Chunk Formation.*

## Symbols

Geologic Contact

Fault

Folding Axis

Upper Freeport — Pittsburgh

Structure Contours

262 — 271S

Well (S indicates data from well completion report)

Sp 10

Spring

3-0450

Gaging Station